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/*
 * as_busyout.c - Slot busyout command processing
 *
 * Nov 1999 Padmaja Gogineni
 *
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 */
#include "master.h"
#include "interface.h"
#include <string.h>
#include COMP_INC(cisco, ciscolib.h)
#include COMP_INC(kernel, clock.h)
#include "interface_private.h"
#include "../if/if_controller.h"
#include "../les/if_les.h"
#include "../nas/nas_common.h"
#include "../src-7k-as5400/plugin_dfc.h"
#include "../src-7k-as5400/slot_dfc.h"
#include "../src-7k-as5400/as5400_dfc.h"
#include "../nas/parser_defs_busyout.h"
#include "../nas/busyout_chain.h"
#include "../les/csm_registry.h"
#include "../les/isdn_bri.h"
#include "../if/dsx1.h"
#include "../isdn/isdn_registry.h"
#include "../wan/isdn.h"
#include "../if/dsx1_cas.h"
#include "as_utils.h"
#include "if_as_dsx1.h"

/* includes for parsing */
#include "config.h"
#include "parser.h"

/*
 * Slot busy out command()
 *
 * Parameters:
 *
 * csb - parser information block
 *
 * Returns:
 *
 * void
 *
 * Description: validate the command and call slot specific busyout plugin
 */
void slot_busyout_command (parseinfo *csb)
{
    plugin_dfc_t *plugin_dfc;
    ushort slot_no;
    boolean busyout;

    slot_no = GETOBJ(int, 2);
```

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if (!feature_card_exists(slot_no)) {
    if (carrier_card_exists(slot_no)
        && dfc_bit_bucket_on(slot_no)) {
        printf("OIR cleanup in progress for slot %d..., "
               "command ignored, try later!\n", slot_no);
    } else {
        printf("No dfc present in slot %d\n", slot_no);
    }
    return;
}

plugin_dfc = get_plugin_dfc(slot_no);
if (plugin_dfc == NULL) {
    /*
     * Should never happen
     */
    BASSERT(FALSE);
    return;
}

busyout = csb->sense;

if (busyout == FALSE) {
    if (!IS_SLOT_BUSYOUT_MODE(slot_no) && dfc_power_good(slot_no)) {
        printf("Slot %d is not currently in busyout mode\n", slot_no);
        return;
    }
} else {
    if (IS_SLOT_BUSYOUT_MODE(slot_no)) {
        printf("Slot %d already in busyout mode\n", slot_no);
        return;
    }
}

if (busyout && !dfc_power_good(slot_no)) {
    printf("DFC in slot %d is powered down.\n", slot_no);
    return;
} else {
    MARK_SLOT_BUSYOUT_IN_PROGRESS(slot_no, busyout);
    printf("%s in progress for %d", (busyout ? "Busyout" : "Unbusyout"),
           slot_no);
}

/*
 * Update ok/maintenence LED to "yellow".
 */
DFC_LED_UPDATE(slot_no);

if (busyout == FALSE) {
    MARK_SLOT_BUSYED_OUT(slot_no, FALSE);
}

switch (csb->which) {
case BUSYOUT_SERVICE:
    plugin_dfc->slot->exec_slot_busyout = TRUE;
}

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        plugin_dfc->plugin_ft->plugin_busyout(plugin_dfc, busyout);
        break;
    default:
        BASSERT(FALSE);
        break;
    }
}

/*
 * show_busyout_command()
 *
 * Parameters:
 *
 * csb - parser information block
 *
 * Returns:
 *
 * void
 *
 * Description: Invoke slot specific show busyout plugin
 */
void show_busyout_command (parseinfo *csb)
{
    int busyout_slot, dfc_slot;
    plugin_dfc_t *plugin_dfc;

    busyout_slot = GETOBJ(int, 2);

    /*
     * Invoke slot dependent busyout status routines
     */
    if (busyout_slot == -1) {
        FOR_ALL_AS_SLOTS(dfc_slot) {
            if (feature_card_operational(dfc_slot)) {
                plugin_dfc = get_plugin_dfc(dfc_slot);
                if (plugin_dfc)
                    plugin_dfc->plugin_ft->plugin_show_busyout(plugin_dfc);
            }
        }
    } else {
        if (!feature_card_exists(busyout_slot)) {
            if (carrier_card_exists(busyout_slot)
                && dfc_bit_bucket_on(busyout_slot)) {
                printf("OIR cleanup in progress for slot %d.\n",
                       busyout_slot);
            } else {
                printf("No DFC present in slot %d.\n", busyout_slot);
            }
            return;
        }
        if (!dfc_power_good(busyout_slot)) {
            printf("DFC in slot %d is powered down.\n", busyout_slot);
            return;
        }
    }
}

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}

plugin_dfc = get_plugin_dfc(busyout_slot);
if (plugin_dfc) {
    plugin_dfc->plugin_ft->plugin_show_busyout(plugin_dfc);
}
}
```